

Docket No. 3701-4000**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Broeng et al.

Group Art Unit: 2877

Serial No.: 09/282,303

Examiner: P. Natividad

Filed: March 31, 1999

For: A PHOTONIC BAND GAP FIBER

**PRELIMINARY AMENDMENT**Commissioner for Patents  
Washington, DC 20231

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MAY 23 2002

TECHNOLOGY CENTER 2800

Sir:

In response to the paper dated May 17, 2002, Please amend the above-identified application prior to examination on the merits as follows:

**IN THE CLAIMS**

Please amend claims 83, 99 and 119 as follows:

*Bl*  
83. (Amended) An optical fibre according to claim 54, wherein the core region comprises a first additional elongated element extending in the longitudinal direction of the fibre.

*ent*  
*by*  
99. (Amended) An optical fibre according to claim 54, the fibre comprising a plurality of core regions.

*ent*  
*C*  
119. (Amended) A sensor for sensing or detecting at least one characteristic of a liquid or gas, the sensor comprising:

*B3*  
- a length of the optical fibre according to claim 54, wherein the core region comprises at least a first additional element, the first element being a void extending along the longitudinal direction of the fibre,